

### **AMENDMENTS TO THE CLAIMS**

1. (Original) A composition comprising
  - a) a polymer derived from a macrocyclic oligomer; and
  - b) a network of loosely associated nanofibers wherein the carbon nanofibers are dispersed in the polymer matrix and the composition demonstrates a conductivity of  $1 \times 10^{-5}$  S/cm.
2. (Original) Compositions according to Claim 1 which further comprise a polyfunctional chain extending agent.
3. (Original) Compositions according to Claim 1 which further comprise a core shell rubber.
4. (Original) Compositions according to Claim 3 wherein the core shell rubber has functional groups on the surface of a core shell rubber.
5. (Original) Compositions according to Claim 1 which further comprise a polyfunctional active hydrogen-containing polymer.
6. (Original) Compositions according to Claim 1 which comprise
  - a) from about 50 to about 98 parts per hundred by weight of the composition of polymer matrix, and
  - b) from about 2 to about 20 parts per hundred parts by weight of the composition of carbon nanofibers.
7. (Original) Compositions according to Claim 1 wherein the aspect ratio of the carbon nanofibers is 150 or greater.
8. (Original) A composition according to Claim 1 wherein the polymer matrix comprises a polyester derived from macrocyclic oligoesters.
9. (Currently Amended) A process according to ~~any one of Claims 1 to 8~~ for the preparation of a polymer matrix having dispersed therein a network of associated carbon nanofibers which comprises contacting a network of carbon nanotubes with molten macrocyclic

oligomer and a catalyst for polymerization of the macrocyclic oligomer under conditions that the macrocyclic oligomer cyclizes and polymerizes with the carbon nanofibers dispersed therein.

10. (Original) The process of Claim 9 wherein the temperature of the reaction mixture is 150°C to about 300°C.

11. (Currently Amended) A molded article comprising the composition of ~~any~~  
~~one of Claims 1 to 8.~~